

Notice of Allowability

Application No.

10/713,574

Applicant(s)

PORTER, STEVEN

Examiner

Daniel Swerdlow

Art Unit

2615

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to request for reconsideration filed 02 June 2006.

2. ☒ The allowed claim(s) is/are 1-20.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert N. Blackmon, reg. no. 39,494 on 8 June 2006.

The application has been amended as follows:

In the claims, Claim 1 is amended as follows:

1. (currently amended) A switching device for selectively applying one of two different voltage supplies to a common node, a first of said voltage supplies being coupled to said common node by a first switch and a second of said voltage supplies being coupled to said common node by a second switch, said switching device comprising:

(a) a feedback network comprising a high-pass filter that filters a signal at said common node and that outputs said signal having been high-pass filtered as a feedback signal;

(b) a timing controller coupled to at least one of said first and second voltage supplies, that determines when to switch between said first and second voltage supplies;

(c) a ring switch controller that applies a first control signal to said first switch for selectively enabling and disabling said first switch in response to said timing controller and said feedback signal; and

(d) a battery switch controller that applies a second control signal to said second switch for selective enabling and disabling said second switch in response to said timing controller and said feedback signal.

2. The following is an examiner's statement of reasons for allowance:

3. Regarding Claim 1, as shown in the prior Office action mailed on 25 November 2005, the combination of US Patent 4,166,930 to Rovnyak and US Patent 3,941,939 to Holmes et al. makes obvious all elements except that while Holmes discloses a ring trip circuit that includes a high pass filter (Fig. 1, reference C2; column 2, lines 44-47) to produce a ring trip detection that corresponds to the feedback signal claimed, the ring trip detection is not a high-pass filtered common node signal as claimed. As such, the prior art does not disclose or fairly suggest all elements of the claimed invention and the claim is allowable.

4. Claims 2 through 6 are allowable due to dependence from Claim 1.

5. Regarding Claim 7, as shown in the prior Office action the combination of US Patent 4,166,930 to Rovnyak and US Patent 3,941,939 to Holmes et al. makes obvious all elements except that while Holmes discloses a ring trip circuit that filters ringing current (Fig. 1, reference R12, C2; column 2, lines 44-47) and shunts away unwanted AC signals there is no disclosure of noise detection as claimed. As such, the prior art does not disclose or fairly suggest all elements of the claimed invention and the claim is allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claims 8 through 20 are allowable for reasons stated in the prior Office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Swerdlow whose telephone number is 571-272-7531. The examiner can normally be reached on Monday through Friday between 7:30 AM and 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh H. Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Daniel Swerdlow
Primary Examiner
Art Unit 2615

ds
8 June 2006